IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An information processing apparatus, comprising:

an extractor configured to extract main information including copy control information, and to extract auxiliary information representing attributes of said main information, from input information;

a generator configured to generate copy permission information based on said extracted auxiliary information; and

a recorder configured to record the main information as a 188-byte transport stream packet, and to record the copy permission information generated by the generator in at least one an extra 4-byte header adjacent to a corresponding portion of the main information, but separate from, the 188-byte transport stream packet.

2. (Previously Presented) The information processing apparatus according to claim 1, wherein said generator is further configured to generate information on validity of said copy permission information based upon whether said apparatus that recorded said main information recognized and processed said copy control information.

3. (Previously Presented) The information processing apparatus according to claim 1 wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main information is encoded.

4. (Currently Amended) The information processing apparatus according to claim 3, wherein said copy permission information is recorded by said recorder in [[a]] an extra 4-byte header for each transport stream packet of said transport stream.

5. (Previously Presented) The information processing apparatus according to claim 1 wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

6-7. (Cancelled)

8. (Currently Amended) An information processing method for outputting information, said method comprising:

extracting main information including copy control information and extracting auxiliary information representing attributes of said main information from input information;

generating copy permission information based on said extracted auxiliary information; and

recording the main information as a 188-byte transport stream packet, and recording the copy permission information generated in the generating step in at least one an extra 4-byte header adjacent to a corresponding portion of the main information, but separate from, the 188-byte transport stream packet.

9-14. (Cancelled)

15. (Previously Presented) The information processing apparatus of claim 1, further comprising:

a splitter configured to split the input information into a plurality of isochronous packets, each having an Encryption Mode Indicator (EMI) associated therewith; and

an analyzing circuit configured to select a strongest copy restriction mode from among the EMIs associated with the plurality of isochronous packets at a value representative of the input information.

16. (Previously Presented) The information processing apparatus of claim 15, wherein the generator is configured to generate a Copy Permission Indicator (CPI) corresponding to the EMI having the strongest copy restriction mode.

17. (Presently Presented) The information processing method according to claim 8 further comprising the step of generating information on validity of said copy permission information based upon whether said apparatus that recorded said main information recognized and processed said first copy control information.

18. (Previously Presented) The information processing method according to claim 8 wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main information is encoded.

19. (Currently Amended) The information processing method according to claim 8, wherein said copy permission information is recorded in [[a]] an extra 4-byte header for each transport stream packet of said transport stream.

20. (Previously Presented) The information processing method according to claim 8 wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

21. (Previously Presented) The information processing method of claim 8, further comprising the steps of:

splitting the input information into a plurality of isochronous packets, each having an Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the plurality of isochronous packets at a value representative of the input information.

22. (Previously Presented) The information processing method of claim 21, wherein the generating step comprises generating a Copy Permission Indicator (CPI) corresponding to the EMI having the strongest copy restriction mode.

23-28. (Cancelled)

29. (Currently Amended) An information processing apparatus, comprising:

an extractor configured to extract main information including copy control information and to extract auxiliary information representing attributes of said main information from input information;

an analyzing circuit configured to analyze said copy control information;

an encoder configured to convert said copy control information into new copy control information when it is determined that said copy control information is valid;

a generator configured to generate copy permission information based on said extracted auxiliary information; and

a recorder configured to record the main information and said new copy control information as a 188-byte transport stream packet, and to record the copy permission information generated by the generator in at-least-one an extra 4-byte header adjacent to a corresponding portion of the main information, but separate from, the 188-byte transport stream packet.

30. (Previously Presented) The information processing apparatus according to claim 29, wherein said generator is further configured to generate said new copy control information when it is determined that said copy control information is invalid.

31. (Previously Presented) The information processing apparatus according to claim 30, wherein it is determined whether said copy control information is valid based upon whether an apparatus that recorded said main information recognized and processed said first copy control information.

32. (Previously Presented) The information processing apparatus according to claim

29 wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main

information is encoded.

33. (Currently Amended) The information processing apparatus according to claim

32, wherein said copy permission information is recorded by said recorder in [[a]] an extra 4-

byte header for each transport packet of said transport stream.

34. (Previously Presented) The information processing apparatus according to claim

29 wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

35. (Currently Amended) An information processing method for outputting

information, said method comprising:

extracting main information including copy control information and extracting

auxiliary information representing attributes of said main information from input information;

analyzing said copy control information;

converting said copy control information into new copy control information when it is

determined that said copy control information is valid;

generating copy permission information based on said extracted auxiliary

information; and

recording the main information and said new copy control information <u>as a 188-byte</u>

<u>transport stream packet</u>, and recording the copy permission information generated in the

generating step in ~~at least one~~ <u>an extra 4-byte</u> header adjacent to ~~a corresponding portion of~~

~~the main information~~, <u>but separate from, the 188-byte transport stream packet</u>.

36. (Previously Presented) The information processing method of claim 35, further

comprising:

splitting the input information into a plurality of isochronous packets, each having an

Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the

plurality of isochronous packets at a value representative of the input information.

37. (Previously Presented) The information processing method of claim 36, wherein

the generating step comprises generating a Copy Permission Indicator (CPI) corresponding to

the EMI having the strongest copy restriction mode.

38. (Previously Presented) The information processing method according to claim

36, further comprising the step of generating information on validity of said copy permission

information based upon whether an apparatus that recorded said main information recognized

and processed said first copy control information.

39. (Previously Presented) The information processing method according to claim

36, wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main information is encoded.

40. (Currently Amended) The information processing method according to claim 36, wherein said copy permission information is recorded in [[a]] an extra 4-byte header for each transport stream packet of said transport stream.

41. (Previously Presented) The information processing method according to claim 36, wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

42. (Previously Presented) The information processing method of claim 36, further comprising the steps of:

splitting the input information into a plurality of isochronous packets, each having an Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the plurality of isochronous packets at a value representative of the input information.

43. (Previously Presented) The information processing method of claim 42, wherein the generating step comprises generating a Copy Permission Indicator (CPI) corresponding to the EMI having the strongest copy restriction mode.

44-49. (Cancelled)

50. (Currently Amended) An information processing apparatus, comprising:

an extractor configured to extract main information including copy control

information and to extract auxiliary information representing attributes of said main

information from input information;

a first generator configured to generate copy permission information and a second

generator configured to generate copy control information based on said extracted auxiliary

information; and

a recorder configured to record the main information and said copy control

information as a 188-byte transport stream packet, and to record the copy permission

information generated by the generator in ~~at least one~~ an extra 4-byte header adjacent to ~~a~~

~~corresponding portion of the main information,~~ but separate from, the188-byte transport

stream packet.

51. (Previously Presented) The information processing apparatus according to claim

50, wherein said second generator is further configured to generate said copy control

information when it is determined that said copy control information is invalid.

52. (Previously Presented) The information processing apparatus according to claim

51, wherein it is determined whether said copy control information is valid based upon

whether an apparatus that recorded said main information recognized and processed said first

copy control information.

53. (Previously Presented) The information processing apparatus according to claim

50, wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main

information is encoded.

54. (Currently Amended) The information processing apparatus according to claim

53, wherein said copy permission information and said copy control information are recorded

by said recorder in [[a]] an extra 4-byte header for each transport stream packet of said

transport stream.

55. (Previously Presented) The information processing apparatus according to claim

50, wherein:

said input information is received through an IEEE1394 digital interface; and said

auxiliary information is an Encryption Mode Indicator (EMI).

56. (Currently Amended): An information processing method for outputting

information, said method comprising :

extracting main information including copy control information and extracting

auxiliary information representing attributes of said main information from input information;

generating copy permission information and copy control information based on said

extracted auxiliary information; and

recording the main information and said copy control information as a 188-byte

transport stream packet, and recording the copy permission information generated in the

generating step in at least one an extra 4-byte header adjacent to a corresponding portion of

the main information, but separate from, the 188-byte transport stream packet.

57. (Previously Presented) The information processing method of claim 56, further

comprising the steps of:

splitting the input information into a plurality of isochronous packets, each having an

Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the

plurality of isochronous packets at a value representative of the input information.

58. (Previously Presented) The information processing apparatus of claim 56,

wherein the generating step comprises generating a Copy Permission Indicator (CPI)

corresponding to the EMI having the strongest copy restriction mode.

59. (Previously Presented) The information processing method according to claim

56, further comprising the step of generating information on validity of said copy permission

information based upon whether an apparatus that recorded said main information recognized

and processed said first copy control information.

60. (Previously Presented) The information processing method according to claim

56, wherein:

said main information is a transport stream; and

said auxiliary information is information indicating a mode in which said main

information is encoded.

61. (Currently Amended) The information processing method according to claim 56,

wherein said copy permission information and said copy control information is recorded in

[[a]] an extra 4-byte header for each transport stream packet of said transport stream.

62. (Previously Presented) The information processing method according to claim 56, wherein:

said input information is received through an IEEE1394 digital interface; and

said auxiliary information is an Encryption Mode Indicator (EMI).

63. (Previously Presented) The information processing method of claim 56, further comprising the steps of:

splitting the input information into a plurality of isochronous packets, each having an Encryption Mode Indicator (EMI) associated therewith; and

selecting a strongest copy restriction mode from among the EMIs associated with the plurality of isochronous packets at a value representative of the input information.

64. (Previously Presented) The information processing method of claim 63, wherein the generating step comprises generating a Copy Permission Indicator (CPI) and copy control information corresponding to the EMI having the strongest copy restriction mode.